| COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY  ATTORNEY'S DOCKET NUMBER  As a below named inventor, I hereby declare that:  My residence, post office address and citizenship are as stated below next to my name;  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plu names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  APPARATUS FOR USE IN A COMPUTER SYSTEM  |
|--|
| My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plu names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:   |
| The state of the s |
| the specification of which (check only one item below):  |
| is attached hereto.  |
| was filed as United States application   |
| Number   |
| on   |
| and was amended  |
| on (if applicable).  |
| was filed as PCT international application   |
| Number PCT/GB99/03089  |
| on <u>16 September 1999</u>  |
| and was amended under PCT Article 19   |
| on (if applicable).  |
| I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  |
| I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 3 Code of Federal Regulations, §1.56.   |
| I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(e) of any foreign application(s) for patent inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:   |
| PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119:   |
| COUNTRY (if PCT, indicate "PCT")  APPLICATION NUMBER  DATE OF FILING PRIORITY CLAIMED (day, month, year) UNDER 35 U.S.C. §119  |
| Great Britain 9820430.8 18 September 1998 X Yes No   |
| Great Britain 9820428.2 18 September 1998 x Yes No   |
| Great Britain 9820412.6 18 September 1998 x Yes No   |
| Great Britain 9820410.0 18 September 1998 x Yes No   |
| Yes No   |
| I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below  |
| (Application Number) (Filing Date)   |
| (Application Number) (Filing Date)   |

| COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (CONTINUED) (Includes Reference to Provisional and PCT International Applications) | ATTORNEY'S DOCKET NO. |
|--|-----------------------|
|  | <b>5</b>              |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to the patentability as defined in Title 37, Code of Federal Regulations §1.56, which became available between the filing date of the pri application(s) and the national or PCT international filing date of this application:

|  | R PCT INTERNA  | ATIONAL APPLICATIONS  | DESIGNATING THE  | U.S. FOR BENE   | FIT UNDER 3                     | 35 U.S.C. 120  | );  |  |
|--|--|---|--|---|---------------------------------|--|---|--|
| PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENE<br>U.S. APPLICATIONS   |  |   |  | STATUS (check one)  |                                 |  |   |  |
| U.S. APPLICATION NUMBER  |  |   | U.S. FILING DATE   |   |                                 | PENDING  |   |  |
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| F  | PCT APPLICATI  | ONS DESIGNATING THE I   | J.S.   |   |                                 |  |   |  |
| PCT APPLICATION NO.  | U.S. APPLICATION NUMBERS   |   |  |   |                                 |  | ļ. ———                                    |  |
|  |  |   | ASSIGNED (i  | f any)  |                                 |  |   |  |
| PCT/GB99/03089   | 16 Se  | ptember 1999  | UNASSIGNED   |   |                                 |  | <b> </b>                                  |  |
|  |  |   |  | ·   |                                 | · · · · · · · · · · · · · · · · · · ·  |   |  |
| ···  |  |   |  |   |                                 |  |   |  |
| I hereby appoint the following<br>Trademark Office connected<br>directed to said invention:  | ing attorneys and therewith ar   | and agent(s) to prosecute and to file, prosecute and  | e said application a<br>to transact all bus  | and to transactiness in conn  | et all busines<br>ection with i | ss in the Pate<br>international  | ent and<br>application                    |  |
| Tradentary Office Colffice (C  | 17,337<br>15,913<br>19,885<br>22,124<br>22,030<br>24,239<br>22,716<br>24,970<br>26,003<br>25,813<br>26,999<br>27,360<br>16,110 | Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane Bruce J. Boggs, Jr. | to transact all bus  | William H. Peter K. SI Richard J. Matthew L Michael G. Gerald F. S Michael J.                                 | ection with i                   | 25,95<br>31,91<br>29,19<br>32,81<br>32,59<br>30,11<br>33,08<br>33,09<br>33,81<br>34,04 | application  2  7  5  4  6  3  9  6  5  6 |  |
| William L. Mathis Peter H. Smolka Robert S. Swecker Platon N. Mandros Benton S. Duffett, Jr. Joseph R. Magnone Norman H. Stepno Ronald L. Grudziecki Prederick G. Michaud, Jr. Alan E. Kopecki Regis E. Slutter Samuel C. Miller, III                        | 17,337<br>15,913<br>19,885<br>22,124<br>22,030<br>24,239<br>22,716<br>24,970<br>26,003<br>25,813<br>26,999<br>27,360           | Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane                     | 28,531<br>28,223<br>28,632<br>28,510<br>27,903<br>30,505<br>26,057<br>30,427<br>25,885<br>30,888<br>25,423<br>32,858           | William H. Peter K. Si Richard J. Matthew L. Michael G. Gerald F. S. Michael J. Charles F. Bruce T. W         | ection with i                   | 25,95<br>31,91<br>29,19<br>32,81<br>32,59<br>30,11<br>33,09<br>33,09<br>33,81          | application  2  7  5  4  6  3  9  6  5  6 |  |
| William L. Mathis Peter H. Smolka Robert S. Swecker Platon N. Mandros Benton S. Duffett, Jr. Joseph R. Magnone Norman H. Stepno Ronald L. Grudziecki Prederick G. Michaud, Jr. Alan E. Kopecki Regis E. Slutter Samuel C. Miller, III Ralph L. Freeland, Jr. | 17,337<br>15,913<br>19,885<br>22,124<br>22,030<br>24,239<br>22,716<br>24,970<br>26,003<br>25,813<br>26,999<br>27,360<br>16,110 | Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane Bruce J. Boggs, Jr. | 28,531<br>28,223<br>28,632<br>28,510<br>27,903<br>30,505<br>26,057<br>30,427<br>25,885<br>30,888<br>25,423<br>32,858<br>32,344 | William H. Peter K. SI Richard J. Matthew L Michael G. Gerald F. S Michael J. Charles F. Bruce T. W Todd R. W | ection with i                   | 25,95<br>31,91<br>29,19<br>32,81<br>32,59<br>30,11<br>33,09<br>33,09<br>33,81          | application  2  7  5  4  6  3  9  6  5  6 |  |
| William L. Mathis Peter H. Smolka Robert S. Swecker Platon N. Mandros Benton S. Duffett, Jr. Joseph R. Magnone Norman H. Stepno Ronald L. Grudziecki Prederick G. Michaud, Jr. Alan E. Kopecki Regis E. Slutter Samuel C. Miller, III Ralph L. Freeland, Jr. | 17,337<br>15,913<br>19,885<br>22,124<br>22,030<br>24,239<br>22,716<br>24,970<br>26,003<br>25,813<br>26,999<br>27,360<br>16,110 | Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane Bruce J. Boggs, Jr. | 28,531<br>28,223<br>28,632<br>28,510<br>27,903<br>30,505<br>26,057<br>30,427<br>25,885<br>30,888<br>25,423<br>32,858<br>32,344 | William H. Peter K. SI Richard J. Matthew L Michael G. Gerald F. S Michael J. Charles F. Bruce T. W Todd R. W | ection with i                   | 25,95<br>31,91<br>29,19<br>32,81<br>32,59<br>30,11<br>33,09<br>33,09<br>33,81          | application  2  7  5  4  6  3  9  6  5  6 |  |
| William L. Mathis Peter H. Smolka Robert S. Swecker Platon N. Mandros Benton S. Duffett, Jr. Joseph R. Magnone Norman H. Stepno Ronald L. Grudziecki Prederick G. Michaud, Jr. Alan E. Kopecki Regis E. Slutter Samuel C. Miller, III Ralph L. Freeland, Jr. | 17,337<br>15,913<br>19,885<br>22,124<br>22,030<br>24,239<br>22,716<br>24,970<br>26,003<br>25,813<br>26,999<br>27,360<br>16,110 | Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane Bruce J. Boggs, Jr. | 28,531<br>28,223<br>28,632<br>28,510<br>27,903<br>30,505<br>26,057<br>30,427<br>25,885<br>30,888<br>25,423<br>32,858<br>32,344 | William H. Peter K. SI Richard J. Matthew L Michael G. Gerald F. S Michael J. Charles F. Bruce T. W Todd R. W | ection with i                   | 25,95<br>31,91<br>29,19<br>32,81<br>32,59<br>30,11<br>33,09<br>33,09<br>33,81          | application  2  7  5  4  6  3  9  6  5  6 |  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| COMBINED DECLARATION FOR PATENT APPLICATION AND POW<br>(Includes Reference to Provisional and PCT International Application | VER OF ATTORNEY (CONTINUED) | ATTORNEY'  | S DOCKET NO.                            |
|---|-----------------------------|--|---|
|   |                             |  | •                                       |
| FULL NAME OF SOLE OR FIRST INVENTOR   | SIGNATURE  ): 2. C. SLL     |  | DATE                                    |
| Richard Carl PHELPS RESIDENCE   | 1. K. C. May                | Common in the co | 1,25/5/01                               |
| Stoke Gifford, Bristol, Great Britain   | •                           | CITIZENSHU   |   |
| POST OFFICE ADDRESS   |                             | Britis   | h                                       |
| 13 Oxbarton, Stoke Gifford, Bristol BS34 8RP,   | Great Britain               |  |   |
| FULL NAME OF SECOND JOINT INVENTOR, IF ANY  | SIGNATURE                   |  | DATE                                    |
| Paul Anthony WINSER   | X Mone                      |  | 1,39115101                              |
| RESIDENCE   |                             | CITIZENSHIP  |   |
| Downend, Bristol, Great Britain   |                             | British  | Ĺ                                       |
| POST OFFICE ADDRESS   |                             |  | - · · · · · · · · · · · · · · · · · · · |
| 32 Epsom Close, Downend, Bristol BS16 6ST, Gr   |                             |  |   |
| FULL NAME OF THIRD JOINT INVENTOR, IF ANY   | SIGNATURE                   |  | DATE                                    |
| RESIDENCE   |                             |  |   |
| RESIDENCE   |                             | CITIZENSHIR  | •                                       |
| POST OFFICE ADDRESS   |                             |  |   |
| 1001011001001000  |                             |  |   |
| FULL NAME OF FOURTH JOINT INVENTOR, IF ANY  | SIGNATURE                   |  | DATE                                    |
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| RESIDENCE   | <del></del>                 | CITIZENSHII  |   |
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|   |                             | •  |   |
| FULL NAME OF FIFTH JOINT INVENTOR, IF ANY   | SIGNATURE                   | ]  | DATE                                    |
|   | <u> </u>                    |  |   |
| RESIDENCE   |                             | CITIZENSHII  | •                                       |
| POST OFFICE ADDRESS   |                             |  |   |
| FOST OFFICE ADDRESS   |                             |  |   |
| FULL NAME OF SIXTH JOINT INVENTOR, IF ANY   | SIGNATURE                   |  | -                                       |
| · ·   | SIGNATURE                   |  | DATE                                    |
| RESIDENCE   | 1                           | CITIZENSHIP  |   |
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| POST OFFICE ADDRESS   |                             |  |   |
|   |                             |  |   |
| FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY   | SIGNATURE                   |  | DATE                                    |
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| RESIDENCE   |                             | CITIZENSHI   | · · · · · · · · · · · · · · · · · · ·   |
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| POST OFFICE ADDRESS   |                             |  |   |
| FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY  |                             |  |   |
| FOLL NAME OF EIGHTH JOINT INVENTOR, IF ANY  | SIGNATURE                   |  | DATE                                    |
| RESIDENCE   | •                           | Company (Company)  |   |
|   |                             | CITIZENSHIP  |   |
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| FULL NAME OF NINTH JOINT INVENTOR, IF ANY   | SIGNATURE                   | <del></del>  | DATE                                    |
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| RESIDENCE   | 1                           | CITIZENSHI   |   |
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| ULL NAME OF TENTH JOINT INVENTOR, IF ANY   | SIGNATURE   |  | DA min   |
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| ULL NAME OF EL PURATULONTO VICTORIO  |             |  |          |
| ULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY  | SIGNATURE   |  | DATE     |
| ESIDENCE   |             | CITIZENSI                                    | HUP      |
| OST OFFICE ADDRESS   |             |  |          |
|  |             |  |          |
| ULL NAME OF TWELFTH JOINT INVENTOR, IF ANY   | SIGNATURE   |  | DATE     |
| ESIDENCE   | <del></del> | CITIZENSI                                    | -IIP     |
| OST OFFICE ADDRESS   |             |  |          |
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| ULL NAME OF THIRTEENTH JOINT INVENTOR, IF ANY  | SIGNATURE   |  | DATE     |
| ESIDENCE   |             | CITIZENSI                                    | TIP TIP  |
| OST OFFICE ADDRESS   |             |  | <b></b>  |
| or or or abbidos   |             |  |          |
| JLL NAME OF FOURTEENTH JOINT INVENTOR, IF ANY  | SIGNATURE   |  | DATE     |
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| <u> </u>   |             | CITIZENSH                                    | ПР       |
| OST OFFICE ADDRESS   |             |  |          |
| JLL NAME OF FIFTEENTH JOINT INVENTOR, IF ANY   | SIGNATURE   |  | -        |
|  | SIGNATURE   |  | DATE     |
| SIDENCE  |             | CITIZENSH                                    | IIP      |
| ST OFFICE ADDRESS  |             |  |          |
|  |             |  |          |
| ILL NAME OF SIXTEENTH JOINT INVENTOR, IF ANY   | SIGNATURE   |  | DATE     |
| SIDENCE  |             | CITIZENSH                                    | TD       |
| ST OFFICE ADDRESS  |             | O. I IZZZNOM                                 |          |
| or office appress  |             |  |          |
| ILL NAME OF SEVENTEENTH JOINT INVENTOR, IF ANY   | SIGNATURE   |  | DATE     |
| SIDENCE  |             |  |          |
|  |             | CITIZENSH                                    | IP       |
| ST OFFICE ADDRESS  |             |  |          |
| LL NAME OF EIGHTEENTH JOINT INVENTOR, IF ANY   |             |  |          |
|  | SIGNATURE   |  | DATE     |
| SIDENCE  |             | CITIZENSHI                                   | <u>l</u> |
| ST OFFICE ADDRESS  |             |  |          |

| COMBINED DECLARATION FOR PATENT APPLICATION AT<br>(Includes Reference to Provisional and PCT International Applications) | ND POWER OF ATTORNEY (CONTINUED) oplications) | ATTORNEY'S DOCKET NO |
|--|---|----------------------|
| FULL NAME OF NINETEENTH JOINT INVENTOR, IF ANY   | SIGNATURE                                     | DATE                 |
| RESIDENCE  |   | CITIZENSHIP          |
| POST OFFICE ADDRESS  |   |                      |
| FULL NAME OF TWENTIETH JOINT INVENTOR, IF ANY  | SIGNATURE                                     | DATE                 |
| POST OFFICE ADDRESS  |   | CITIZENSHIP          |
|  |   |                      |